

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (currently amended) A system for generating
2 display presentations on a user computer, said system
3 consisting of:
4 a communication network for connecting a user
5 computer to the system, said user computer capable of
6 generating a web page request, said user computer also
7 capable of receiving and executing a web page containing
8 an HTML page and receiving and executing at least one
9 applet;
10 a web server for receiving said web page request
11 from the user computer and for serving said web page and
12 said at least one applet to the user computer over said
13 communication network, said web server further for
14 serving servlets according to a document retrieved by
15 said web server according to said web page request.
16 an HTML template comprising display information
17 including SParse commands and display data information,
18 said HTML template used for generating a display
19 presentation on the user computer according to a pre-
20 defined format;
21 a servlet engine for executing servlets served by
22 said web server according to said web page request from
23 the user computer;
24 an SParse application for interpreting said HTML
25 template, said SParse application activated by the
26 execution of said servlet by said servlet engine;
27 a database server for retrieving database data from
28 at least one database for serving to said SParse

29 application, wherein said SPARSER application requests
30 said database data according to data information embedded
31 within said HTML template or embedded within said web
32 page request, said database server also for serving said
33 HTML template from a template database to said SPARSER
34 application;

35 wherein said SPARSER application generates said web
36 page containing said HTML page containing a reference to
37 said at least one applet, said web page generated
38 according to said web page request and containing some
39 portion of said database data, said SPARSER application
40 further embedding modified data in said web page, said
41 modified data generated according to some subset of said
42 SPARSER commands and utilizing said database data; and

43 further wherein said web server serves said web page
44 and said applet to said user computer for directing said
45 user computer to generate a display presentation
46 according to said pre-defined format modified according
47 to said database data.

1 2. (original) The system according to claim 1,
2 wherein said at least one applet comprises a plurality of
3 applets, said plurality of applets including:

4 graphing applets for generating graphical
5 diagrams;

6 table producing applets for generating tables;
7 and

8 multimedia applets for generating multimedia
9 presentations.

1 3. (original) The system according to claim 1,
2 wherein said at least one database comprises a plurality
3 of databases including:

4 a template database;
5 a survey data database;
6 a sample and administrative data database; and
7 a normative data database.

1 4. (original) The system according to claim 1,
2 wherein said template further comprises
3 title information;
4 descriptive data for labeling said display
5 presentation; and
6 JavaScript code to communicate size and location
7 information to said at least one applet for directing the
8 size and location of a graph or a table included in said
9 display presentation.

1 5. (original) The system according to claim 4,
2 wherein said SPARSER application comprises:
3 macro processing services for execution said SPARSER
4 commands including macros;
5 output services for translating transforming
6 database data to conform to HTML or JavaScript
7 requirements;
8 database access services for maintaining connections
9 to said database server, issuing Structured Query
10 Language statements to said database server, and opening
11 and closing result sets;
12 test data identification and deletion services for
13 deleting said test data from said template;

14 Query parsing services for standardizing,
15 interpreting, and decoding an HTML queries;
16 error processing services for identifying error
17 conditions and for generating error messages and also for
18 providing query redirection when necessary; and
19 context maintenance for storing information provided
20 by a user to said user computer that identify user
21 privileges used for ensuring that said user is allowed
22 system access, display preferences for customizing said
23 display presentation, or analysis conditions also for
24 customizing said display presentation.

1 6. (original) A method for generating a web page for
2 display on a user computer, comprising the steps of:
3 receiving a web page request for generating a
4 display presentation from a user computer;
5 executing a servlet corresponding to said web page
6 request;
7 retrieving an HTML template corresponding to said
8 executed servlet;
9 interpreting said HTML template including the steps
10 of:
11 retrieving retrieved data from a database
12 according to said servlet execution;
13 executing commands referenced in said HTML
14 template, said commands for generating a display web
15 page utilizing said retrieved data;
16 serving said display web page to said user
17 computer, said display web page for generating a
18 display presentation on said user computer.

1 7. (original) A method for generating a display
2 presentation on a user computer, comprising the steps of:
3 connecting a user computer to a web server over a
4 network;
5 validating said user computer;
6 accepting a web page request from said user
7 computer;
8 determining if said web page request is for
9 generating said display presentation;
10 executing a servlet corresponding to said web page
11 request if it was determined that said web page request
12 was for generating said display presentation;
13 retrieving an HTML template corresponding to said
14 executed servlet;
15 interpreting said HTML template including the steps
16 of:
17 retrieving retrieved data from a database
18 according to said servlet execution, said retrieved
19 data including:
20 survey data and normative data for
21 generating custom display presentations; and
22 descriptive data for labeling said display
23 presentation
24 stripping test data from said HTML template;
25 embedding some portion of said retrieved data
26 in said HTML template, wherein some further portion
27 of some portion of said retrieved data replaces said
28 stripped test data;
29 executing commands referenced in said HTML
30 template, said commands for generating a display web
31 page utilizing said retrieved data;

32 serving said display web page to said user
33 computer, said display web page for generating a
34 display presentation including a graphical diagram,
35 a table, or a multi-medial presentation on said user
36 computer.

1 8. (original) A system for generating a web page for
2 display on a user computer, comprising:

3 means for receiving a web page request for
4 generating a display presentation;

5 means for executing a servlet corresponding to said
6 web page request;

7 means for retrieving an HTML template corresponding
8 to said executed servlet;

9 means for interpreting said HTML template including:

10 means for retrieving retrieved data from a
11 database according to said servlet execution;

12 means for executing commands referenced in said
13 HTML template, said commands for generating a
14 display web page utilizing said retrieved data;

15 means for serving said display web page to said
16 user computer, said display web page for generating
17 a display presentation on said user computer.

1 9. (original) A system for generating a display
2 presentation on a user computer, comprising the steps of:

3 means for connecting a user computer to a web server
4 over a network;

5 means for validating said user computer;

6 means for accepting web page requests from said user
7 computer;

8 means for determining if said web page request is
9 for generating said display presentation;

10 means for executing a servlet corresponding to said
11 web page request if it was determined that said web page
12 request was for generating said display presentation;

13 means for retrieving an HTML template corresponding
14 to said executed servlet;

15 means for interpreting said HTML template including:

16 means for retrieving retrieved data from a
17 database according to said servlet execution, said
18 retrieved data including:

19 survey data and normative data for
20 generating custom display presentations; and
21 descriptive data for labeling said display
22 presentation

23 means for stripping test data from said HTML
24 template;

25 means for embedding some portion of said
26 retrieved data in said HTML template, wherein some
27 further portion of some portion of said retrieved
28 data replaces said stripped test data;

29 means for executing commands referenced in said
30 HTML template, said commands for generating a
31 display web page utilizing said retrieved data;

32 means for serving said display web page to said
33 user computer, said display web page for generating
34 a display presentation including a graphical
35 diagram, a table, or a multi-medial presentation on
36 said user computer.

1 10. (currently amended) A method for generating a
2 plurality of display presentations on a user computer
3 comprising the steps of:

4 generating a plurality of HTML templates, each HTML
5 template for generating a different display presentation,
6 the generation of each HTML template comprising the steps
7 of:

8 designing an applet for serving to a user
9 computer, said applet designed by an applet
10 programmer;

11 designing a data-enhanced HTML test page, said
12 HTML test page designed by a database programmer,
13 wherein said HTML test page contains SPARSER
14 instructions ~~capable of~~ for utilizing said applet to
15 generate an unformatted test display presentation
16 utilizing test data embedded in said HTML test page;

17 designing an HTML template from said data-
18 enhanced HTML test page, said HTML template designed
19 by a style programmer, said HTML template for
20 generating a formatted test display presentation
21 utilizing said test data embedded in said HTML test
22 page and utilizing said applet; and

23 storing said HTML template in a database, said
24 HTML template referencing said applet;

25 receiving a web page request for generating a
26 desired display presentation from a user computer;

27 retrieving the corresponding HTML template for
28 generating said desired display presentation;

29 retrieving stored data corresponding to said desired
30 display presentation;

31 generating a display web page based on said
32 corresponding HTML template utilizing said retrieved
33 stored data in place of said test data and referencing its
34 corresponding applet; and

35 serving said display web page and its corresponding
36 applet to said user computer, said display web page for

37 generating said desired display presentation including
38 already conducted survey data on said user computer.

1 11. (currently amended) A system for generating a
2 plurality of display presentations on a user computer
3 comprising the steps of:

4 means for generating a plurality of HTML templates,
5 each HTML template for generating a different display
6 presentation, the generation of each HTML template
7 comprising:

8 means for designing an applet for serving to a
9 user computer, said applet designed by an applet
10 programmer;

11 means for designing a data-enhanced HTML test
12 page, said HTML test page designed by a database
13 programmer, wherein said HTML test page contains
14 SPARSER instructions for ~~capable of~~ utilizing said
15 applet to generate an unformatted test display
16 presentation utilizing test data embedded in said
17 HTML test page;

18 means for designing an HTML template from said
19 data-enhanced HTML test page, said HTML template
20 designed by a style programmer, said HTML template
21 for generating a formatted test display presentation
22 utilizing said test data embedded in said HTML test
23 page and utilizing said applet; and

24 means for storing said HTML template in a
25 database, said HTML template referencing said
26 applet;

27 means for receiving a web page request for
28 generating a desired display presentation from a user
29 computer;

30 means for retrieving the corresponding HTML template
31 for generating said desired display presentation;
32 means for retrieving stored data corresponding to
33 said desired display presentation;
34 means for generating a display web page based on said
35 corresponding HTML template utilizing said retrieved
36 stored data in place of said test data and referencing its
37 corresponding applet; and
38 means for serving said display web page and its
39 corresponding applet to said user computer, said display
40 web page for generating said desired display presentation
41 including already conducted survey data on said user
42 computer.

1 12. (new) A method for generating a web page for
2 displaying a display presentation on a user computer
3 comprising the steps of:
4 receiving a web page request from a user computer,
5 said web page request for generating said display
6 presentation on the user computer;
7 executing a servlet corresponding to said web page
8 request;
9 retrieving an HTML template according to said
10 executed servlet, said HTML template corresponding to
11 said web page request;
12 interpreting said HTML template including the steps
13 of:
14 retrieving display data from a database, said
15 display data included in one or more structure
16 tables; and
17 executing commands referenced in said HTML
18 template, said commands for generating said web page
19 utilizing said display data;

20 and
21 serving said web page to the user computer, said web
22 page thereby displaying said display presentation on the
23 user computer, wherein
24 said display presentation is for presenting survey
25 results of a previously conducted survey based on said
26 structure table, and further wherein
27 a display presentation of another survey can be
28 presented by substituting another one or more structure
29 tables for said one or more structure tables.

1 13. (new) The method of claim 12, further comprising
2 the step of serving at least one applet along with said
3 web page to the user computer, wherein said applet is for
4 displaying said display presentation on the user
5 computer, and further wherein said at least one applet is
6 a member of the group consisting of:
7 a graphing applet for generating a graphical diagram
8 on the user computer;
9 a table producing applet for generating a table on
10 the user computer; and
11 a multimedia applet for generating a multimedia
12 presentation on the user computer.

1 14. (new) The method of claim 13, wherein said HTML
2 template comprises:
3 title information;
4 descriptive data for labeling said display
5 presentation; and
6 JavaScript code to communicate size and location
7 information to said at least one applet for directing the
8 size and location of a graph or a table included in said
9 display presentation.

1 15. (new) The method of claim 13, wherein said
2 database comprises a plurality of sub-databases
3 including:
4 a template sub-database;
5 a survey data sub-database;
6 a sample and administrative data sub-database; and
7 a normative data sub-database.

1 16. (new) A method for generating a display
2 presentation on a user computer, comprising the steps of:
3 connecting a user computer to a web server over a
4 network;
5 accepting a web page request from the user computer;
6 determining if said web page request is for
7 generating said display presentation;
8 executing a servlet corresponding to said web page
9 request if it was determined that said web page request
10 was for generating said display presentation;
11 retrieving an HTML template corresponding to said
12 executed servlet;
13 interpreting said HTML template including the steps
14 of:
15 retrieving retrieved data from a database
16 according to said servlet execution, said retrieved
17 data having:
18 survey data and normative data for
19 generating custom display presentations; and
20 descriptive data for labeling said display
21 presentation;
22 embedding some portion of said retrieved data
23 in said HTML template; and

24 executing at least one command referenced in
25 said HTML template, said at least one command for
26 generating a display web page utilizing said
27 retrieved data;
28 and
29 serving said display web page to the user computer,
30 said display web page for displaying a display
31 presentation of a previously conducted survey including a
32 graphical diagram, a table, or a multi-medial
33 presentation on the user computer.

1 17. (new) The method according to claim 16 further
2 comprising the step of serving at least one applet along
3 with said web page to the user computer, wherein said
4 displaying said display presentation on the user computer
5 includes the step of executing said applet on the user
6 computer, and further wherein said at least one applet is
7 a member of the group consisting of:
8 graphing applets for generating graphical diagrams;
9 table producing applets for generating tables; and
10 multimedia applets for generating multimedia
11 presentations.

1 18. (new) The method according to claim 17, wherein
2 said template comprises:
3 title information;
4 descriptive data for labeling said display
5 presentation; and
6 JavaScript code to communicate size and location
7 information to said at least one applet for directing the
8 formatting of said display presentation.

1 19. (new) The method of claim 18, further comprising
2 the step of stripping test data from said HTML template,
3 wherein some further portion of some portion of said
4 retrieved data replaces said stripped test data.

1 20. (new) A system for displaying display
2 presentations on a user computer, said system comprising:
3 a communication network for connecting a user
4 computer to the system;

5 a web server for receiving a web page request from
6 the user computer over said communication network,
7 wherein said web server serves a servlet in response to
8 receiving said web page request;

9 an HTML template stored on said system, said HTML
10 template comprising display information and interpreter
11 commands;

12 a servlet engine for executing said servlet served
13 by said web server

14 an interpreter for interpreting said HTML template,
15 said interpreter activated by the execution of said
16 servlet;

17 a database server for retrieving database data from
18 a database for serving to said interpreter, wherein said
19 interpreter generates a web page using said database
20 data, and further wherein said web server serves said web
21 page to the user computer over said communication network
22 in response to said web page request, said web page for
23 directing the user computer to generate said display
24 presentation to display results of a previously conducted
25 survey.

1 21. (new) The system according to claim 20, wherein
2 said web server serves at least one applet to said user
3 computer, said at least one applet for formatting some
4 portion of said display presentation on the user
5 computer, said at least one applet chosen from the group
6 consisting of:

7 graphing applets for generating graphical diagrams;
8 table producing applets for generating tables; and
9 multimedia applets for generating multimedia
10 presentations for displaying previously conducted survey
11 results.

1 22. (new) The system according to claim 21, wherein
2 said template further comprises:

3 title information;
4 descriptive data for labeling said display
5 presentation; and

6 JavaScript code to communicate size and location
7 information to said at least one applet for directing the
8 formatting of said display presentation.

1 23. (new) The system according to claim 20, wherein
2 said interpreter comprises:

3 macro processing services for executing said
4 interpreter commands, said interpreter commands including
5 macros.

1 24. (new) The system according to claim 20, wherein
2 said database comprises a plurality of sub-databases
3 including:

4 a template sub-database;
5 a survey data sub-database;

6 a sample and administrative data sub-database;
7 and
8 a normative data sub-database.

1 25. (new) A system for generating display
2 presentations on a user computer, said system comprising:
3 a communication network for connecting a user
4 computer to the system;
5 a web server for receiving a web page request from
6 the user computer and for serving a presentation to the
7 user computer over said communication network;
8 a servlet engine for executing servlets served by
9 said web server according to said web page request from
10 the user computer;
11 an HTML template comprising display information,
12 interpreter commands, and display data information, said
13 HTML template corresponding to said web page request;
14 an interpreter for interpreting said HTML template,
15 said interpreter activated by the execution of said
16 servlet; and
17 a database server for retrieving database data from
18 at least one database for serving to said interpreter,
19 wherein said interpreter requests said database data
20 according to data information embedded within said HTML
21 template or embedded within said web page request, said
22 database server also for serving said HTML template from
23 a template database to said interpreter; wherein
24 said interpreter generates said web page including
25 said HTML code containing a reference to said at least
26 one applet, said web page generated according to said
27 HTML template, said web page also including some first
28 portion of said database data, said interpreter further
29 embedding modified data in said web page, said modified

30 data generated according to some subset of said
31 interpreter commands and utilizing some second portion of
32 said database data; and further wherein
33 said web server serves said web page and said applet
34 to the user computer for directing the user computer to
35 generate a display presentation.

1 26. (new) The system according to claim 25, wherein
2 said at least one database comprises a plurality of
3 databases including:

4 a template database;
5 a survey data database;
6 a sample and administrative data database; and
7 a normative data database.

1 27. (new) The system according to claim 26, wherein
2 said template further comprises

3 title information;
4 descriptive data for labeling said display
5 presentation; and

6 JavaScript code to communicate size and location
7 information to said at least one applet for directing the
8 size and location of a graph or a table included in said
9 display presentation.

1 28. (new) The system according to claim 27, wherein
2 said display data information includes test data and
3 further wherein said interpreter comprises:

4 macro processing services for executing said
5 interpreter commands including macros;
6 output services for transforming database data
7 according to HTML or JavaScript requirements;

8 database access services for maintaining connections
9 to said database server, for issuing Structured Query
10 Language statements to said database server, and for
11 opening and closing result sets;

12 test data identification and deletion services for
13 deleting said test data from said template, wherein said
14 interpreter replaces said test data with said modified
15 data or some third portion of said database data;

16 query parsing services for standardizing,
17 interpreting, and decoding HTML queries;

18 error processing services for identifying error
19 conditions, for generating error messages, and also for
20 providing query redirection when necessary; and

21 context maintenance for storing information provided
22 by the user computer that identifies user privileges used
23 for ensuring that the user computer is permitted system
24 access, display preferences for customizing said display
25 presentation, or analysis conditions also for customizing
26 said display presentation.

1 29. (new) A system for generating a web page for
2 displaying a display presentation on a user computer,
3 comprising:

4 means for receiving a web page request from a user
5 computer, said web page request for generating said
6 display presentation on the user computer;

7 means for executing a servlet corresponding to said
8 web page request;

9 means for retrieving an HTML template according to
10 said executed servlet, said HTML template corresponding
11 to said web page request;

12 means for interpreting said HTML template, said
13 interpreting said HTML template including the steps of:

14 retrieving display data from a database, said
15 display data included in one or more structure
16 tables; and
17 executing commands referenced in said HTML
18 template, said commands for generating said web page
19 utilizing said display data;
20 and
21 means for serving said web page to the user
22 computer, said web page thereby displaying said display
23 presentation on the user computer, wherein
24 said display presentation is for presenting survey
25 results of a previously conducted survey based on said
26 structure table, and further wherein
27 a display presentation of another survey can be
28 presented by substituting another one or more structure
29 tables for said one or more structure tables.

1 30. (new) A system for generating display
2 presentations on a user computer, said system comprising:
3 a communication network for connecting a user
4 computer to the system;
5 a web server for receiving a web page request from
6 the user computer and for serving a presentation to the
7 user computer over said communication network;
8 a servlet engine for executing servlets served by
9 said web server according to said web page request from
10 the user computer;
11 an HTML template comprising test data, wherein said
12 HTML template corresponds to said web page request;
13 an interpreter for interpreting said HTML template,
14 said interpreter activated by the execution of said
15 servlet, wherein said interpreter strips said test data
16 from said HTML template and embeds previously collected

17 survey data in said HTML template for said web server to
18 serve to said user for generating said display
19 presentation.

1 31. (new) A system for generating a display
2 presentation on a user computer comprising:
3 means for connecting a user computer to a web server
4 over a network;
5 means for validating the user computer;
6 means for accepting a web page request from the user
7 computer;
8 means for determining if said web page request is
9 for generating said display presentation;
10 means for executing a servlet corresponding to said
11 web page request if it was determined that said web page
12 request was for generating said display presentation;
13 means for retrieving an HTML template corresponding
14 to said executed servlet;
15 means for interpreting said HTML template, said
16 interpreting said HTML template including the steps of:
17 retrieving retrieved data from a database
18 according to said servlet execution, said retrieved
19 data including:
20 survey data and normative data for
21 generating custom display presentations; and
22 descriptive data for labeling said display
23 presentation;
24 and
25 embedding some portion of said retrieved data
26 in said HTML template; and
27 executing at least one command referenced in
28 said HTML template, said at least one command for

29 generating a display web page utilizing said
30 retrieved data;
31 and
32 means for serving said display web page to the user
33 computer, said display web page for displaying a display
34 presentation for displaying results of a previously
35 conducted survey and including a graphical diagram, a
36 table, and a multi-medial presentation on the user
37 computer.
